Data Sheet

We make sure

FUJITSU COMPUTERS SIEMENS

PRIMERGY TX120

Mono socket Dual-Core Tower Server - Leading edge energy and space saving technologies at quietest operation

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Pages 2

PRIMERGY TX Tower Servers deliver highest reliability rates with proven data center technology comparable with high end UNIX servers. The innovative, broadest portfolio of virtualization, server and solution offerings stand for TCO reductions of 60% or more. Optimized air flow cooling technology assures a long life and highest possible performance/watt at work as well as by far best in class efficiency proven by numerous benchmark records. And as your business grows, plenty of headroom for expansion protects your investments in PRIMERGY as well as our universal tower-to-rack conversion kit does in case of consolidation changes. PRIMERGY ServerView Suite with remote management functions provides comprehensive management from anywhere at any time.
The flexible custom supply model and our build-to-order process mean, that only fully built and pre-tested solutions are shipped to customers. Last but not least Fujitsu Siemens Computers proven commitment to green IT offers clear competitive advantages to our customers.

PRIMERGY TX120

The new first generation ultra-compact sized PRIMERGY tower server TX120 with a powerful Intel® Xeon® UP Dual-Core processor incorporates leading edge, low power consumption and space-saving technologies. Thus a significantly smaller footprint, reduced noise and energy savings are achieved. The PRIMERGY TX120 tower server is perfect for office workspaces, for distributed and SOHO applications including retail in-store, back office servers and small office application servers. Enhance your efficiency when it comes to simultaneous execution of multiple applications and downloading mass data. The processor with the Intel® 3000 chipset also supports VT technology.
Two 2.5-inch SAS hot-plug hard disks and the built-in RAID 1 functionality offer high data security. The standard iRMC (Integrated Remote Management Controller) offers enhanced system management, based on IPMI 2.0 technology, and the advanced diagnostic functions with Diagnostic LED increases operational reliability. A DAT drive can also be installed for easy backup or optional two further hot-plug hard disks. Alternatively an even more power saving Celeron® processor rounds off the offering.

Benefits	Key Features
■ World class standard in energy saving reduces TCO with ca. 40% lower power consumption versus other standard tower servers	■ Active power reduced: down to 163 Watts fully equipped, even lower with Celeron® processor
■ World's smallest footprint, installable in office workspaces for fewer concerns about a lack of space (HxWxD 340 x 99 x 399 mm)	■ Reduced space and size: 1/3 smaller footprint & 1/4 less volume, compared to current 1-socket servers in the market achieved by downsizing the heat pipe and adopting 2.5 inch HDD
■ Absolutely quiet system (idle 28 dB and operation 31 dB), thus optimized for use in offices	■ Advanced cooling technologies such as "heat-pipe" cooling and "straight-line cooling" achieve a low noise level equivalent to a whispering voice
■ A real reliable and powerful server nevertheless!	■ Raid 1 & hot-plug HDD, ECC memory, Server processor Xeon UP, Server Operating System, integrated Remote Management Controller (iRMC) with advanced Pack option

Type	Mono Socket Tower Server
System board	D2550
Chip set	Intel® 3000
Processors	Intel® Celeron® Intel® Xeon® UP(Dual-Core)
Type / Frequencies (GHz)	440 (2.00) 35W/ 3040(1.86) / 3070 (2.66) 65W
Front-Side-Bus	800 / 1066 MHz
Second-Level-Cache	512 KB / 2 MB / 4 MB, ECC
Memory	1 GB up to max. 8 GB
ECC PC2-5300 DDR2 SDRAM; 2 banks with 2 slots each; (1 GB, 2 GB modules) Mix and match possible; with dual channel operation better performance (2 capacity equal modules necessary). Single channel (1 module) configuration possible.	
Flash-EPROM	
Local BIOS update with floppy disk; Remote BIOS-Update via LAN with Global Flash and service partition	
Interfaces	
Serial	1 x serial RS-232-C (9-pin)
Keyboard, Mouse	2 x PS/2
USB 2.0	2 x front, 2 x back 1 x internal for backup drives
Graphics	1 x VGA (15-pin)
LAN	1 x RJ45, 1 x service LAN (10/100 Mbit/s)
Onboard or integrated controller**	
IDE	1 x ATA100 for optical drive
SAS (LSI 1064)	4 port SAS for internal HDD´s and internal backup devices with RAID 0, 1 (Integrated Mirroring Enhanced also for odd numbered HD´s for Windows and Linux)
LAN (Broadcom BCM5754)	Ethernet 10/100/1000 Mbit/s (PXE-Boot via LAN from PXE server)
Server management	Integrated Remote Management Controller iRMC, IPMI 2.0 incl. graphics
Hard disk drives	36, 73, 146 Gbyte 2.5-inch SAS (hot-plug)
1 Gbyte equals one billion bytes when referring to hard disk drive capacity; accessible capacity may vary.	
I/O Slots: 1 x PCI-e x8 (x4 wired), low profile 1 x PCIe x1, low profile 1 x PCI 32Bit/33 MHz low profile (5V)	
Drive bays	
for hard disks	2 x 2.5/1-inch, for hot-plug SAS (in slide-in chassis) + 2 HDD box optional, (occupies 3.5/1.6-inch drive bay)
for accessible drives	1x 3.5/1.6-inch for tape or HDD option 1x 5.25//0.5-inch occupied with DVD or DVD-RW

Electrical values	
1x standard power supply	
Output power	250 W
Rated voltage range	100 - 240 V
Rated frequency	50-60 Hz
Max. rated current	100 V - 240 V / 2A – 1A
Rated current in basic configuration	100 V - 240 V / 1.63A – 0.69A
Active power	163 W
Apparent power	166 VA
Heat emission	587 kJ/h (556 btu/h)
Temperature/Noise/Dimensions/Weight	
Ambient temperature	10°C - 35°C (DIN IEC 721-3-3) class 3K2
Declared noise in according with ISO 9296	idle / operating
Sound pressure L_{pAm}	≤ 28 db(A) / ≤ 31 db(A)
Sound power L_{WAd}	≤ 4,0 B / ≤ 4.4 B (1 Bel = 10 db)
Dimension of floor-stand (HxWxD)	340 * 99 * 399 mm (without feet)
Weight	approximately 10 kg (max.)
Compliance with Norms and Standards	
Product safety	
Global	IEC 60950-1
Europe	EN 60950-1
USA	UL 60950-1.
Canada	CAN/CSA-C22.2 No. 60950-1.
Electromagnetic compatibility	
This product and the released accessories, are in compliance with emission class A. In certain cases measures have to be taken to reduce the electro magnetic influence to other equipment.	
Europe	EN 55 022 class A, EN 55024, EN61000-3-2 / -3
USA / Canada	FCC class A
Declaration of conformity	
Europe (CE)	2004/108/EC 2006/95/EC
North America	FCC class A
Approvals	
Product safety	
Global	CB
Europe	CE
USA / Canada	CSA_{US} / CSA_{C}
There is general compliance with the safety requirements of all European countries and North America. National approvals required in order to satisfy statutory regulations or for other reasons, can be applied for on request.	
Supported server operating systems	
See actual release status operating systems: e.g. Windows Server 2003; Novell SUSE Linux Enterprise Server , Red Hat Enterprise Linux (Support of Debian, Ubuntu, Mandriva Linux and other Linux derivatives on demand)	
** For supported controllers (onboard and PCI cards for SCSI, SAS, RAID, LAN, WAN, etc.), please refer to the corresponding system configurator.	
Server Management (see separate data sheets)	
Standard	PRIMERGY ServerView Suite; PDA, ASR&R
Optional	RemoteView, iRMC Advanced Pack

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